IN THE CLAIMS:

Please cancel Claim 2 without prejudice.

Claim 1 (Currently Amended) A process for the continuous "in situ" manufacturing of pumpable explosive mixtures, comprising the steps of:

a) transporting to a ~~transportation to~~ place of manufacture ~~of~~ the following ingredients:

(i) a ~~non-explosive or low sensitivity~~ matrix product that is at least one of non-explosive and low sensitive ~~that~~; said product contains at least one of an aqueous solution ~~or~~ and a suspension of an oxidant salt~~,~~ and a thickening agent ~~and, optionally, a combustible material and/or a sensitizer~~;

(ii) a stabilizing agent of air bubbles, ~~and optionally~~

~~(iii) an inorganic oxidant in granular form or a mixture of an oxidant and a combustible material, in granular form, and/or~~

~~(iv) a liquid combustible material,~~

b) mixing said product and said stabilizing agent ~~products (i), (ii), and, optionally, (iii) and/or (iv),~~ in a tank by a rotating mixer that allows ~~the mixture and~~ capturing of atmospheric air in a controlled way, to

obtain a pumpable explosive mixture with an oxygen balance of between -10% and +10%, ~~with a density that may be adjusted and~~ by controlling the amount of air that is incorporated into ~~the~~ said explosive mixture; and

c) ~~load~~ loading the pumpable explosive mixture directly into ~~the~~ a shot hole.

Claim 2 (Canceled)

Claim 3 (Currently Amended) The process ~~Process~~ according to claim 1, wherein during the loading of the shot hole, the pumpable explosive mixture is mixed with a reticulating agent.

Claim 4 (Currently Amended) The process ~~Process~~ according to claim 1, wherein said ~~non-explosive or low sensitivity~~ matrix is present in the explosive mixture in a proportion ~~proportions~~ greater than 50% of the total weight.

Claim 5 (Currently Amended) The process ~~Process~~ according to claim 14 ~~1~~, wherein said granular form component ~~oxidant product in granular form~~ is an inorganic nitrate in granular form.

Claim 6 (Currently Amended) The process ~~Process~~ according to claim 14 ~~1~~, wherein said ~~product (iii)~~ granular form component is ~~a mixture of~~ inorganic nitrate in granular form and including a liquid combustible material.

Claim 7 (Currently Amended) The process ~~Process~~ according to claim 13 ~~1~~, wherein the liquid combustible material is selected from the group ~~formed by~~ consisting of aromatic hydrocarbons, aliphatic hydrocarbons, oils, petroleum derivatives, derivatives of vegetable origin and mixtures thereof.

Claim 8 (Currently Amended) The process ~~Process~~ according to claim 1, wherein said stabilizing agent of air bubbles is selected from the group ~~formed by~~ consisting of solutions ~~or~~ and suspensions of surfactants, proteins and natural polymers and their derivatives.

Claim 9 (Currently Amended) The process ~~Process~~ according to claim 1, wherein the mixing ~~mixture of the said products (i), (ii) and, optionally (iii) and/or (iv),~~ is carried out in an installation assembled on a truck.

Claim 10 (New) The process according to claim 1, wherein said product includes a combustible material.

Claim 11 (New) The process according to claim 1, wherein said product includes a sensitizer.

Claim 12 (New) The process according to Claim 1, wherein said product includes a component selected from the group consisting of combustible materials, sensitizers and mixtures thereof.

Claim 13 (New) The process according to claim 1, including the step of adding a liquid combustible material to the product.

Claim 14 (New) The process according to claim 1 including the step of adding to the product a granular form component selected from the group consisting of inorganic oxidants in granular form, oxidants in granular form and mixtures thereof.

Claim 15 (New) A process for the continuous "in situ" manufacturing of pumpable explosive mixtures, comprising:

a) transportation to place of manufacture of:

(i) a matrix product that contains a thickening agent,

a combustible material, a sensitizer and at least one of an aqueous solution and a suspension of an oxidant salt;

(ii) a stabilizing agent of air bubbles,

(iii) at least one of an inorganic oxidant in granular form and a mix formed of an oxidant and a combustible material, and

(iv) a liquid combustible material;

b) mixing the components of paragraph a in a tank that allows capturing of atmospheric air in a controlled way, to obtain a pumpable explosive mixture with an oxygen balance of between -10% and +10%, by controlling the amount of air that is incorporated into said explosive mixture; and

c) loading the pumpable explosive mixture directly into a shot hole.